

CLAIMS

What is claimed is:

1. An eyewear device, comprising:
a frame for positioning proximate the eyes of a user, said frame
including a lens-receiving portion;
means for retaining said frame proximate the eyes of a user; and
a lens unit having
eyeglass lens means for positioning in front of an eye of a user, and
a casing configured to receive and retain said eyeglass lens means, said lens unit being
removably positionable in said lens receiving portion.
2. The eyewear device of claim 1, wherein said lens-receiving portion includes a rim
member defining a lens area to receive said lens unit therein.
3. The eyewear device of claim 2, wherein said rim member has a rim ridge extending
toward said lens area and wherein said casing has a groove formed therein sized to effect
a snap fit with said rim ridge upon positioning said lens unit in said lens receiving
portion.
4. The eyewear device of claim 1 wherein said lens receiving portion includes a first rim
defining a first lens area and a second rim defining a second lens area, and wherein said
first rim has a first rim ridge extending toward said first lens area and a second rim ridge
extending toward said second lens area, wherein said eyeglass lens means includes a first
lens and a second lens, wherein said casing has a first lens frame configured to receive
and retain said first lens and a first groove sized to effect a snap fit with said first rim
ridge upon positioning of said first lens frame in said first lens area and wherein said
casing has a second lens frame configured to receive and retain said second lens and a

second groove sized to effect a snap fit with said second rim ridge upon positioning of said second lens frame in said second lens area.

4. The eyewear device of claim 1, wherein said frame is spaced from the outer surface of the eye socket a user a seal distance when said frame is positioned proximate the eyes of a user, wherein said eyewear device further includes a seal member attached to said casing, said seal member being sized and shaped to extend from said casing toward said eye socket of a user.
5. The eyewear device of claim 4, wherein said casing includes a lip extending outward from said casing toward the eye socket of a user when said eyewear device is positioned proximate the eyes of a user, and wherein said seal member is attached to said lip.
6. The eyewear device of claim 5 wherein said seal member is formed of a wind resistant material.
7. The eye wear device of claim 5 wherein said seal member is formed of an elastically deformable and water resistant material. and is generally tubular in shape with an interior and an exterior
8. The eyewear device of claim 7 wherein said seal member includes a first seal for effecting a seal against the eye socket area to inhibit fluid flow from exterior said seal member into the interior of said seal member, wherein said seal member includes a second seal for attaching said seal member to said casing and to inhibit fluid flow from exterior said seal member to the interior of said seal member.
9. The eyewear device of claim 8 wherein said eyeglass lens has a perimeter, wherein said casing is formed to extend about the entire perimeter of said eyeglass lens, wherein said lip extends from said casing about the entire perimeter of said eyeglass lens, and wherein

said lip has a seal ridge extending outwardly therefrom, and wherein said second seal of said seal member includes a channel to snugly receive said seal ridge.

10. The eyewear device of claim 9 wherein said seal member is made from a rubber like material.
11. The eyewear device of claim 1, wherein said means for positioning said frame proximate the eyes of a user includes a first elongate extension and a second elongate extension each connected to said frame to extend toward the user's ears with said frame positioned proximate the eyes of a user; said first and said second elongate extensions each having an interior surface oriented toward the head of the user when said frame is positioned proximate the eyes of the user.
12. The eyewear device of claim 11 wherein said first and said second elongate extensions each have at least one head grip aperture formed therein sized to receive a head grip and wherein said eyewear device further includes at least one head grip positioned in at least one of said head grip apertures, said head grip being sized and shaped to extend away from said interior surface of said elongate extension to frictionally contact the head of a user when said eyewear device is positioned on the head of a user.
13. The eyewear device of claim 12, wherein said head grip has a first exterior surface for frictionally contacting the head of a user and a second exterior surface for frictionally contacting the head of a user, said second exterior surface and said first exterior surface being in general alignment and spaced from each other, said head grip being formed to be removably positionable in said head grip aperture in a first position and in a second position, said head grip in said first position having said first surface oriented toward the head of the user and spaced away from said interior surface of said elongate extension a first distance and said head grip in said second position having said second surface

oriented toward the head of the user and spaced away from said interior surface a second distance, said second distance being greater than said first distance.

14. The eyewear device of claim 13 wherein said second distance is about twice said first distance.
15. The eyewear device of claim 13 wherein said first extension and said second extension each have a plurality of head grip apertures formed therein with a head grip removably positioned in each of said head grip apertures.
16. The eyewear device of claim 13, wherein each of said head grip apertures includes a ridge and wherein each of said head grips is formed to include a channel formed to receive said ridge therein in said first position and in said second position.
17. The eyewear device of claim 13 wherein said head grip is formed from an elastically deformable material.
18. The eyewear device of claim 11, wherein each of said first elongate extension and said second elongate extension has a proximal end secured to said frame and a distal end opposite said proximal end, wherein said eyewear device further includes a retainer having a first end and second end and a stretch extending between said first end and said second end, said first end and said second end each being attachable to a said distal end of said first extension and said distal end of said second extension to extend about the rear of the head with said frame positioned proximate the eyes of a user.
19. The eyewear device of claim 18 wherein a first retaining aperture is formed in said first elongate extension proximate the distal end thereof and a second retaining aperture is formed in said second elongate extension proximate said distal end thereof, and wherein said first end of said retainer is configured to attach to said first retaining aperture and said second end of said retainer is configured to attach to said second retaining aperture

20. The eyewear device of claim 19, wherein said stretch of said retainer has a length and wherein said retainer includes at least one means for adjusting the length of said stretch.
21. The eyewear device of claim 20, further including a leash for securing the eyewear device to the clothes of a user, said leash having means for attaching to said retainer and means for attaching to the user's clothing.
22. The eyewear device of claim 1, wherein said casing has a nose piece oriented toward the nose of a user with said lens unit positioned in said lens receiving portion and said frame positioned proximate the eyes of a user.
23. The eyewear device of claim 22, wherein said nose piece has a support surface oriented toward said user's nose, said support surface having a nose pad aperture formed therein, and wherein said nose piece includes a nose pad removably positioned in said nose pad aperture, said nose pad having a first nose surface for contact with the user's nose.
24. The eyewear device of claim 23, wherein the nose pad includes a second nose surface for contact with the user's nose said second nose surface and said first nose surface being spaced from each other and in general alignment, said nose pad being formed to be removably positionable in said nose pad aperture in a first position and in a second position, said nose pad in said first position having said first nose surface oriented toward the nose of the user and spaced away from said support surface of said nose piece a first distance and said nose pad in said second position having said second nose surface oriented toward the nose of the user and spaced away from said support surface of said nose piece a second distance, said second distance being greater than said first distance.
25. The eyewear device of claim 24 wherein said second distance is about twice said first distance.

26. The eyewear device of claim 25 wherein said nose pad is made of an elastically deformable material.
27. The eyewear device of claim 26 wherein said nose piece aperture has a nose piece ridge formed therein and wherein said nose pad has a channel sized to receive said nose piece ridge
28. An eyewear device, comprising:
- a frame for positioning proximate the eyes of a user, said frame having
 - a lens receiving portion and said frame having an inner surface oriented toward the eyes of a user and an outer surface spaced from said inner surface and oriented outwardly and away from said frame and the eyes of said user;
 - a first lens unit having a first casing configured to receive and retain a first eyeglass lens, said first lens unit being configured for removable attachment and positioning in said lens receiving portion only through said inner surface;
 - a second lens unit having a second casing configured to receive and retain a second eyeglass lens, said second lens unit being configured for removable attachment and positioning in said lens receiving portion only through said outer surface; and
 - means for retaining said frame proximate the eyes of a user.
29. The eyewear device of claim 28 wherein said lens receiving portion includes a first rim defining a first lens area and a second rim defining a second lens area, and wherein said first rim has a first rim ridge extending toward said first lens area and a second rim ridge extending toward said second lens area, wherein said first lens unit includes a first lens, wherein said second lens unit includes a second lens, wherein said first casing has a first lens frame configured to receive and retain said first lens and a first groove sized to effect a snap fit with said first rim ridge upon positioning of said first lens frame in said first

lens area and wherein said second casing has a second lens frame configured to receive and retain said second lens and a second groove sized to effect a snap fit with said second rim ridge upon positioning of said second lens frame in said second lens area.

30. The eyewear device of claim 29, wherein said first casing includes a first lip extending outward from said first casing toward the eye socket of a user when said eyewear device is positioned proximate the eyes of a user, wherein said first eyeglass lens has a first perimeter, wherein said first casing is formed to extend about the entire first perimeter of said first eyeglass lens, wherein said first lip which extends around said casing about the entire first perimeter of said first eyeglass lens, and wherein said first lip has a first seal ridge extending outwardly from said first casing to inhibit movement of said first casing out through said first lens receiving portion.
31. The eyewear device of claim 30 wherein said second casing includes a second lip extending outward from said frame and away from the eye socket area of a user to inhibit movement of said second casing from outward of said frame through said first lens receiving portion toward the eye socket of the user.
32. The eyewear device of claim 31 wherein said frame is spaced from the outer surface of the eye socket a user a seal distance when said frame is positioned proximate the eyes of a user, wherein said eyewear device further includes a seal member attached to said first lip of said first casing, said seal member being sized and shaped to extend from said first casing to said eye socket of the user.
33. An eyewear device, comprising:
- a frame;
 - a lens for positioning proximate the eyes of a user, said lens being attached to said frame

first and second elongate extensions rotatably attached to said frame to be movable from a deployed position to a stored position, said first elongate extension including a first aperture and said second elongate extension including a second aperture; and a retaining strap having a first end and second end with a stretch there between, said first end being attachable to said first aperture and the second end being attachable to said second aperture.

34. The eyewear device of claim 33, further including a safety leash, the safety leash being attachable to the retaining strap and a person's clothing.

35. An eyewear device, comprising:

a frame for positioning proximate the eyes of a user, said frame

including a lens-receiving portion;

eyeglass lens means for positioning in front of an eye of a user, said eyeglass lens

being connected to said frame to be in said lens receiving portion;

a first elongate extension and a second elongate extension each connected to

said frame to extend toward the user's ears with said frame positioned proximate

the eyes of a user; said first and said second elongate extensions each having an

interior surface oriented toward the head of the user when said frame is positioned

proximate the eyes of the user,

at least one head grip aperture formed in said first and said second elongate extensions each

head grip aperture being sized to receive a head grip; and

at least one head grip positioned in one of said head grip apertures, said head grip being sized

and shaped to extend away from said interior surface of said first and said second

elongate extension to frictionally contact the head of a user when said eyewear device is

positioned on the head of a user.

36. The eyewear device of claim 35, wherein said head grip has a first exterior surface for frictionally contacting the head of a user and a second exterior surface for frictionally contacting the head of a user, said second exterior surface and said first exterior surface being in general alignment and spaced from each other, said head grip being formed to be removably positionable in at least one said head grip aperture in a first position and in a second position, said head grip in said first position having said first surface oriented toward the head of the user and spaced away from said interior surface of said elongate extension a first distance and said head grip in said second position having said second surface oriented toward the head of the user and spaced away from said interior surface a second distance, said second distance being greater than said first distance.
37. The eyewear device of claim 36 wherein said second distance is about twice said first distance.
38. The eyewear device of claim 37 wherein said first extension and said second extension each have a plurality of head grip apertures formed therein with a head grip removably positioned in each of said head grip apertures.
39. The eyewear device of claim 38, wherein each of said head grip apertures includes a ridge and wherein each of said head grips is formed to include a channel formed to receive said ridge therein in said first position and in said second position.
40. The eyewear device of claim 39 wherein said head grip is formed from an elastically deformable material.
41. An eyewear device, comprising:
a frame for positioning proximate the eyes of a user, said frame
including a lens-receiving portion;
means for retaining said frame proximate the eyes of a user; and

a lens unit configured to be removably positionable in said lens receiving portion, said lens unit including

eyeglass lens means for positioning in front of an eye of a user, and

a casing configured to receive and retain said eyeglass lens means, said casing including a nose piece oriented toward the nose of a user with said lens unit positioned in said lens receiving portion and said frame positioned proximate the eyes of a user, said nose piece having

a support surface oriented toward said user's nose,

a nose pad aperture formed in said support surface, and

a nose pad removably positioned in said nose pad aperture, said nose pad having a first nose surface for contact with the user's nose.

42. The eyewear device of claim 41, wherein the nose pad includes a second nose surface for contact with the user's nose, said second nose surface and said first nose surface being spaced from each other and in general alignment, said nose pad being formed to be removably positionable in said nose pad aperture in a first position and in a second position, said nose pad in said first position having said first nose surface oriented toward the nose of the user and spaced away from said support surface of said nose piece a first distance and said nose pad in said second position having said second nose surface oriented toward the nose of the user and spaced away from said support surface of said nose piece a second distance, said second distance being greater than said first distance.

43. The eyewear device of claim 42 wherein said second distance is about twice said first distance.

44. The eyewear device of claim 43 wherein said nose pad is made of an elastically deformable material.

45. The eyewear device of claim 44 wherein said nose piece aperture has a nose piece ridge formed therein and wherein said nose pad has a channel sized to receive said nose piece ridge

46. An eyewear device, comprising:

a frame for positioning proximate the eyes of a user, said frame having an inner surface oriented toward the eyes of a user and an outer surface spaced from said inner surface and oriented outwardly and away from said frame and the eyes of said user, said frame having a first rim defining a first lens area and a second rim defining a second lens area, said first rim having a first rim ridge extending toward said first lens area and a second rim having a second rim ridge extending toward said second lens area;

a first lens unit having a first casing having a first lens frame configured to receive and retain a first eyeglass lens and a first groove sized to effect a snap fit with said first rim ridge upon positioning of said first lens frame in said first lens area, said first lens unit being configured for removable attachment and positioning in one of said lens receiving portions only through said inner surface;

a second lens unit having a second casing having a second lens frame configured to receive and retain a second eyeglass lens and a second groove sized to snugly and slideably receive said second rim ridge upon positioning of said second lens frame in said second lens area, said first lens unit being configured for removable attachment and positioning in one of said lens receiving portions only through said outer surface; and

a first elongate extension and a second elongate extension each rotatably connected to said frame to extend toward the user's ears with said frame positioned proximate the eyes of a user; said first and said second elongate extensions each being movable from a deployed

position extending toward the ears of the user and a stored position displaced from said deployed position, said first and second extensions each having an interior surface oriented toward the head of the user when said frame is positioned proximate the eyes of the user.

47. The eyewear device of claim 46 wherein said first and said second elongate extensions each have at least one head grip aperture formed therein sized to receive a head grip and wherein said eyewear device further includes at least one head grip positioned in at least one of said head grip apertures, said head grip being sized and shaped to extend away from said interior surface of said elongate extension to frictionally contact the head of a user when said eyewear device is positioned on the head of a user.
48. The eyewear device of claim 47, wherein said head grip has a first exterior surface for frictionally contacting the head of a user and a second exterior surface for frictionally contacting the head of a user, said second exterior surface and said first exterior surface being in general alignment and spaced from each other, said head grip being formed to be removably positionable in said head grip aperture in a first position and in a second position, said head grip in said first position having said first surface oriented toward the head of the user and spaced away from said interior surface of said elongate extension a first distance and said head grip in said second position having said second surface oriented toward the head of the user and spaced away from said interior surface a second distance, said second distance being greater than said first distance.
49. The eyewear device of claim 48, wherein said frame is spaced from the eye socket of a user a seal distance when said frame is positioned proximate the eyes of a user, wherein said eyewear device further includes a seal member attached to said first casing, said seal

member being sized and shaped to extend from said casing toward said eye socket of a user.

50. The eyewear device of claim 49 wherein a first retaining aperture is formed in said first elongate extension proximate the distal end thereof and a second retaining aperture is formed in said second elongate extension proximate said distal end thereof, and wherein said first end of said retainer is configured to attach to said first retaining aperture and said second end of said retainer is configured to attach to said second retaining aperture